

R/V Ferrel
Lauren Tom and Krystle Chavarria

1. Safety Meeting 6:30
2. Arrived at sampling station (07:00).
3. Sampling begins (08:00)
4. Due to weather conditions (rain and choppy waves), sampling was halted between stations for several hours.
5. Two stations were sampled today with four samples per station, including surface samples.
6. Lauren=DNA, RNA, PLFA (MoBio filter), Krystle=AODC, Stable Isotope, VOA Analysis, Nutrient Chemistry, Uncontaminated plume depth water, Culturing, PLFA (Sterivex filter),
7. Sampling Nomenclature

SW-YYYYMMDD-VesselMission#-SampleID
BP-TransectNumber###-SamplingSite##

First station

48 miles SW of wellhead. DO decline with broad depression of 0.5 mg/l at 1120-1214m. Seabed at 1219m so drop expected to extend to seabed.

SW-20100809-FER6-xx
BP-TN11-SS01

1. First sample:
SW-20100809-FER6-**02** (1214m)
BP-TN11-SS01
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L), BOD
2. Second sample:
SW-20100809-FER6-**05** (1150m)
BP-TN11-SS01
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L), Uncontaminated plume depth water, Glycerol Stocks, BOD
3. Third sample:
SW-20100809-FER6-**08** (1100m)
BP-TN11-SS01
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L), BOD
4. Fourth sample:
SW-20100809-FER6-**10** (surface)
BP-TN11-SS01
 - AODC, DNA (2L), RNA (2L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)

Second station

50 miles from wellhead. DO decline with narrow depression of 0.3 mg/l at 1120m. Seabed at 1429m.

SW-20100809-FER6-xx
BP-TN11-SS02

1. First sample:
SW-20100809-FER6-**13** (1412m)
BP-TN11-SS02
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L), BOD
2. Second sample:
SW-20100809-FER6-**17** (1120m)
BP-TN11-SS02
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L), Glycerol Stocks, BOD
3. Third sample:
SW-20100809-FER6-**19** (1000m)
BP-TN11-SS02
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L), BOD
4. Fourth sample:
SW-20100809-FER6-**20** (surface)
BP-TN11-SS02
 - AODC, DNA (2L), RNA (2L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)